



## **Keynote Panel Presentation: (6:30-8:00)**

**Changing the Face of NH Science Education: A Panel Discussion**

## **Professional Development Workshops:**

### **Concurrent Session A (1:00–2:30)**

- A1. Using the GDITs to Develop Comprehensive Inquiry Tasks**  
Jan McLaughlin, NHDOE Science Curriculum & Assessment Coordinator
- A2. Energy Efficiency in Action**  
Tabor Browder, Properties Manager NH Audubon Society & Maura Adams, The Jordan Institute
- A3. Incorporating Non-Fiction Reading with Science**  
Betsy Stefany, Owner & Consultant, SABENS Group

### **Concurrent Session B (3:00–4:30)**

- B1. Teaching Science Process Skills Through Inquiry**  
Kathleen Neville, Senior Program Naturalist, NH Amoskeag Fishways
- B2. MAY We Do Science?**  
Susan Cox, Conservation Education Coordinator, US Forest Service
- B3. Earth System Science is Everywhere**  
Erik Froburg, Education Coordinator, UNH Climate Change Research Center & NH Carbon Challenge

*Detailed descriptions available on following page.*

## **Changing the Face of Science Education**

In our current time of increased curriculum requirements, school restrictions, and outdoor-related health concerns, Environmental Educators are needed more than ever! "Changing the Face of Science Education" will provide a venue for formal and nonformal educators to learn about current issues facing teachers, explore strategies for incorporating the new frameworks, network with fellow EE'ers, and plan for the future!

**Wednesday, March 12, 2008**

NH Audubon McLane Center  
Concord, NH

### **Schedule of Events**

- 12:00 Registration begins  
Silent Auction Begins  
1:00 Concurrent Workshops, Session A  
2:30 Break  
3:00 Concurrent Workshops, Session B  
4:30 Social Hour  
5:30 Dinner; Silent Auction Ends  
6:00 Business Meeting  
Educator of the Year Presentation  
6:30 Keynote Panel Presentation

**OUR GOAL IS A  
ZERO WASTE CONFERENCE**

## **Silent Auction - Benefits NHEE Programs & Communications**

Please contact Audrey Eisenhauer by email at [audrey@reycenter.org](mailto:audrey@reycenter.org) if you'd like to contribute an item to the auction.

### **Annual Conference Registration and Membership Form - Registration Deadline March 1, 2008**

#### **→ Workshops, Dinner, and Keynote Presentation .....**

☐ \$30.00 if registered *before* February 15

☐ \$35.00 if registered *after* February 15

Session A    A1 ☐ Using the GDITs

A2 ☐ Energy Efficiency in Action

A3 ☐ Non-Fiction Reading

Session B    B1 ☐ Teaching Science

B2 ☐ MAY We Do Science?

B3 ☐ Earth System Science

#### **→ Memberships & Membership renewals .....**

(NHEE memberships are due for renewal at the Annual Conference;

All non-members are requested to join NHEE in order to attend the conference.)

☐ Student            \$15

☐ Individual        \$30

☐ Organization     \$55

(2 people receive benefits)

Org. member {Name: \_\_\_\_\_

Name: \_\_\_\_\_

#### **→ Total Amount Enclosed (Make checks payable to NHEE).....\$\_\_\_\_\_**

☐ I prefer a vegetarian meal.

☐ I am interested in carpooling. I will be traveling from (town)\_\_\_\_\_. (We will contact you to arrange.)

Name: \_\_\_\_\_ E-mail address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Organization/School: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_

**Return completed registration form and payment to:** NHEE Conference, Jessica Morton, 221Parade Rd, Barnstead, NH 03218  
*A confirmation and directions to site will be sent to you upon receipt of your registration.*

Conference questions should be directed to Jessica Morton at [jmorton@metrocast.net](mailto:jmorton@metrocast.net) or 603-509-2789 or 603-706-0291.

### **Keynote Panel Presentation: (6:30-8:00)**

#### **Changing the Face of NH Science Education: A Panel Discussion**

Presenters: Jan McLaughlin, NHDOE Science Curriculum & Assessment Coordinator; Dave McDonald, Christa McAuliffe Planetarium; Eleanor Stetson, Hooksett Memorial School; Jo Hendry, Bedford School District.

During the panel presentation each presenter will share their organization's experiences with the changes that were made to the NH Frameworks for Science Literacy in 2006. Is your organization ready for the New England Common Assessment Program (NECAP) for science in May? Has your organization changed its methods for teaching science using the Science Process Skills? This panel presentation will give formal and non formal educators more knowledge on how to incorporate the new frameworks and the NECAP for science into their classrooms or in their professional development.

### **Program Descriptions: Concurrent Session A (1:00–2:30)**

#### **A1: Using the GDITs to Develop Comprehensive Inquiry Tasks**

Presenter: Jan McLaughlin, NHDOE Science Curriculum & Assessment Coordinator

Be the first organization in your community to have tasks aligned with the NECAP Assessment Inquiry Tasks. In this presentation we will explore the newly released Guidelines for Developing Inquiry Tasks (GDITs) and Inquiry Template developed by the NECAP Science Assessment Team. Participants will use the GDITs to develop and refine some exciting tasks to align with the NECAP Assessment Inquiry Tasks at Grades 4, 8, and 11 (suitable for teachers or non formal science staff).

#### **A2: Energy Efficiency in Action**

Presenters: Tabor Browder, Properties Manager, NH Audubon Society & Maura Adams, Project Manager, The Jordan Institute

Tour the New Hampshire Audubon McLane LEED certified building and see how many possibilities there are for saving energy and natural resources. This session will examine everything from building materials to composting toilets as we consider the environmental impact of buildings.

#### **A3: Incorporating Non-Fiction Reading with Science**

Presenter: Betsy Stefany, owner & consultant, SABENS Group

Join Betsy as she traces the connection between field experience and non-fiction literacy. She will stress the essential role of the environmental educator in creating a lifelong interest in science education and as an increasingly critical part of the cycle of non-fiction reading. Her session will also describe an approach that supports but differs from the classroom, offering examples of non-fiction books that partner to meet that goal. Participants will receive a list of example books by age level.

### **Program Descriptions: Concurrent Session B (2:40-4:10)**

#### **B1. Teaching Science Process Skills Through Inquiry**

Presenter: Kathleen Neville, Senior Program Naturalist, NH Amoskeag Fishways

This workshop session, presented by the Amoskeag Fishways Learning and Visitors Center, will review the basics of inquiry based science and the science process skills inquiry helps develop. Participants will engage in an exercise that demonstrates levels of inquiry as well as the differences between hands-on learning and inquiry based science.

Participants will have an opportunity to analyze an existing lesson or activity to determine where it falls on an inquiry "scale" and will learn tips for adapting lessons to include inquiry and science process skills. If possible, please bring an existing lesson or activity to the workshop.

#### **B2: MAY We Do Science?**

Presenter: Susan Cox, Conservation Education Coordinator, US Forest Service

The month of May is the testing window for science and is also a great time to take students outside to learn about their natural world. This workshop will be a facilitated discussion about the work the NH DOE Science Department is doing to promote outdoor activities and field experiences to engage students in science.

#### **B3: Earth System Science is Everywhere**

Presenter: Erik Froburg, Education Coordinator, UNH Climate Change Research Center & NH Carbon Challenge

With the introduction of the NH Frameworks for Science Literacy, many districts have been working to cover the Earth and Space Science domain through the class structure that exists in their schools. Using the topic of climate change as an example, this session will explore ways to integrate Earth system science topics into the traditional subjects, such as biology, chemistry and physics.